Fraction of events / 1 GeV 0.3  $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2 \gamma_D \rightarrow 2n_D + 4\mu$  $m_h = 125 \text{ GeV}, m_{n_1} = 10 \text{ GeV}, m_{n_2} = 1 \text{ GeV}$  $m_{\gamma_D} = 0.3 \text{ GeV}, c \tau_{\gamma_D} = 0.5 \text{ mm}$ 0.25 — 1st muon (leading p<sub>⊤</sub>)
--- 2nd muon
--- 3rd muon
--- 4th muon 0.2 0.15 0.1 0.05 0 20 40 60 80 100 120 of μ [GeV]

CMS Simulation (LHE) 13 TeV